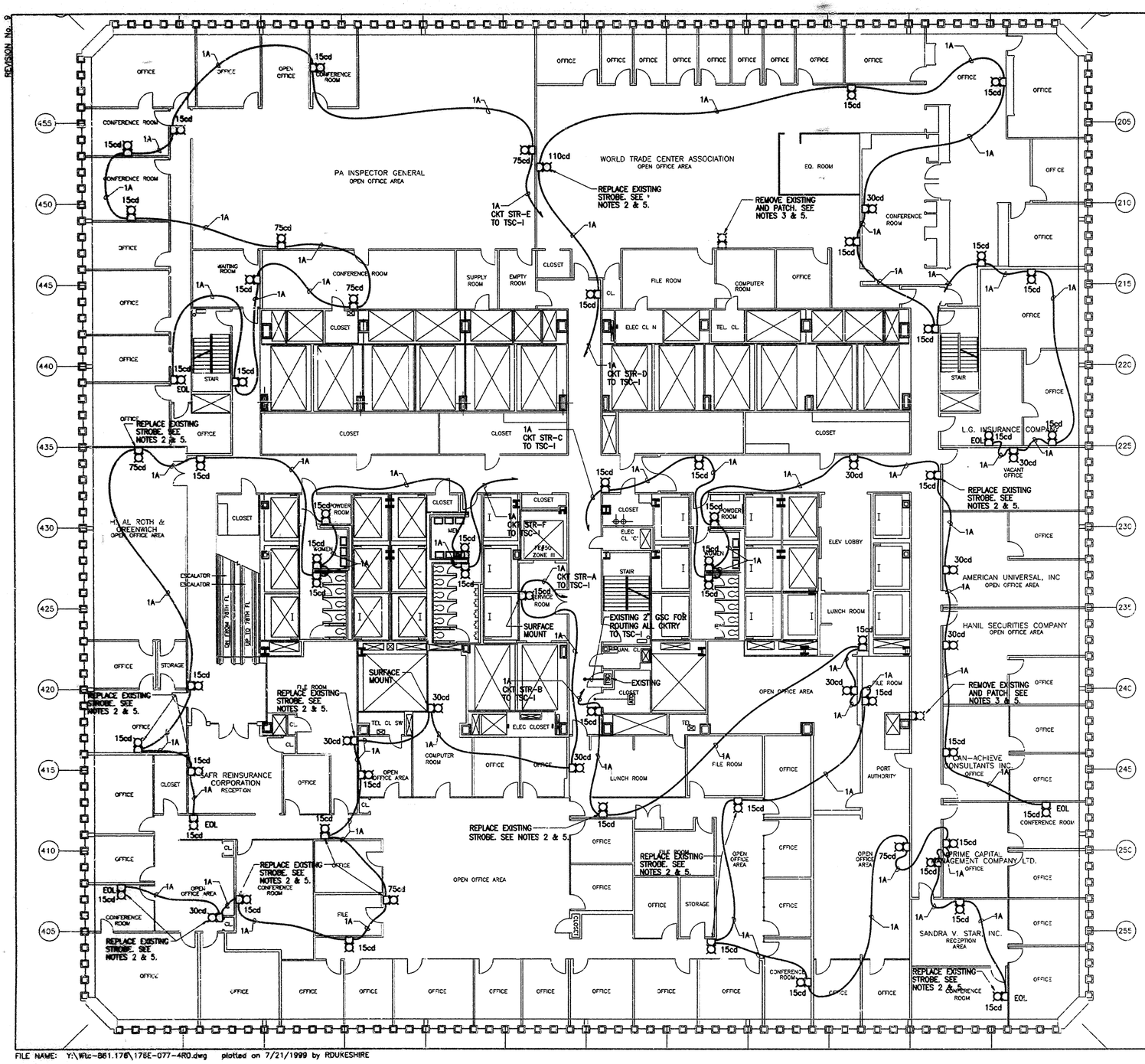
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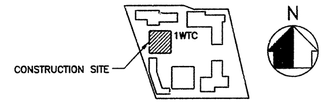


NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND REWIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (ft.)
	CURRENT IN AMPS (A)	0.063	0.100	0.165	0.209		
QUANTITY OF STROBES PER CIRCUIT	STR-A	6	4	1	0	0.943	368
	STR-B	11	1	1	0	0.958	462
	STR-C	8	3	0	0	0.804	367
	STR-D	9	2	0	1	0.976	533
	STR-E	7	0	3	0	0.936	486
	STR-F	10	0	1	0	0.795	385
					GRAND TOTAL	5.412	2601



KEY PLAN

0 12 24
SCALE IN FEET

Sheet 25 of 75

THE PORT AUTHORITY OF NY & NJ

ENGINEERING PROGRAM MANAGER WORLD TRADE

CHIEF ELECTRICAL ENGINEER

No.	Date	Revision	Approved
1	8/23/99	AS-BID	

ENGINEERING DEPARTMENT
DESIGN DIVISION

WORLD TRADE CENTER

ELECTRICAL

Title

FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
1 WORLD TRADE CENTER
CONTRACT NO. 3

77th FLOOR
STROBE
INSTALLATION AND
REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN R.DUKESHIRE A.S.
Designed by Drawn by Checked by

AUGUST 9, 1999
Date

WTC-881.176 E-077-4
Contract Number Drawing Number

FILE NAME: Y:\WTC-881.176\176E-077-4R0.dwg plotted on 7/21/1999 by RDUKESHIRE